

## PDS (Personal Data Sheet)

Name	:	MAHMUDA KHATUN
Designation	:	Senior Scientific Officer
Institution	:	Bangladesh Jute Research Institute
Educational Qualification	:	
Degree/Diploma/Certificate		University/Institute/Board
M. Sc in Textile and Ready-made clothing Technology		Technical University of Dresden, Germany
B. Sc in Textile Technology		College of Textile Technology, Dhaka University

**Field of Specialization:** Textile and Ready-made clothing Technology.

### **Training:**

#### **(a) In Country:**

- National e-Government Procurement (e-GP) Portal as Procuring Entity (PE) User
- Concept of Integrity & National Integrity Strategy of Bangladesh
- Training of Trainers for the Dissemination of industrial Technologies on Jute
- Administrative and Financial Management
- Research Methodology
- Technical Report Writing and Editing
- Development Communication in Agriculture
- Agricultural Project Management
- Data Analysis by Micro-computer
- N-25<sup>th</sup> Foundation Training Course for NARS Scientists
- Innovation in Public Service
- Quality Control of Jute Goods
- Implementation of National Integrity Strategy
- Jute Industrial Product Research & Development
- Jute Textile Product Research & Development
- National Integrity Strategy

#### **(b) Abroad:**

- Climate Smart Agriculture in Philippine

## Publications

- Dyeing of cotton-jute blended fabric and hundred percent cotton fabric with sulphur black.
- Study on the development of jute cotton pineapple blended yarn.
- Comparative study on the effect of demineralization of single jersey cotton knitted fabric by acetic acid and hydrochloric acid.
- Conversion of the jute spool winding machine from wooden spool to paper spool system.
- Influence of potential differential voltage on electric resistance of needle punched non-woven jute fabrics.
- Comparative studies of electrical resistance in woven and non-woven jute fabrics at different input voltage.
- Decolorization and degradation of reactive blue dye used in jute and textile industries by a newly isolated *bacillus* sp.
- Effect of fabric structures and yarn fineness on the properties of knitted fabric.
- Dyeing of cotton-jute-pineapple blended fabric with reactive dyes.
- Study on the development of jute cotton pineapple blended fabric.
- Study on continuous dyeing of jute-cotton union fabric with direct dye.
- Effect of process variables on chemical treatment of jute fibers.
- Effect of cut length on yarn quality in jute-cotton blended yarn.
- Effect of shade depth on lea strength, weight loss and wash fastness properties of reactive dyed cotton yarn.
- Homestead vegetable gardening as a source of calorie supplement at Ishurdi Upazila, Bangladesh.